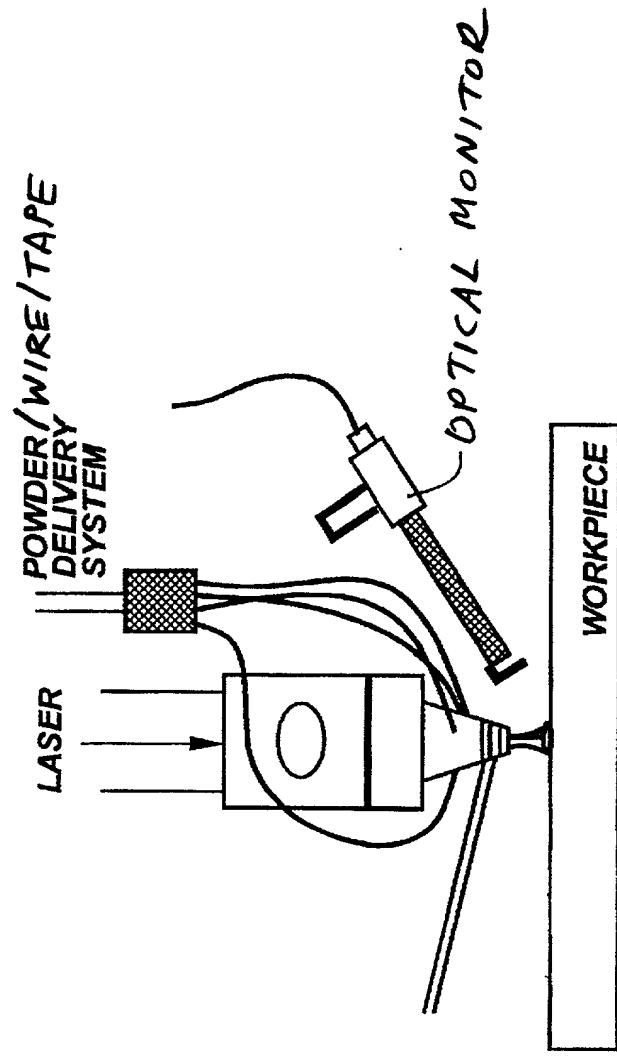


Figure - 1

Figure - 2



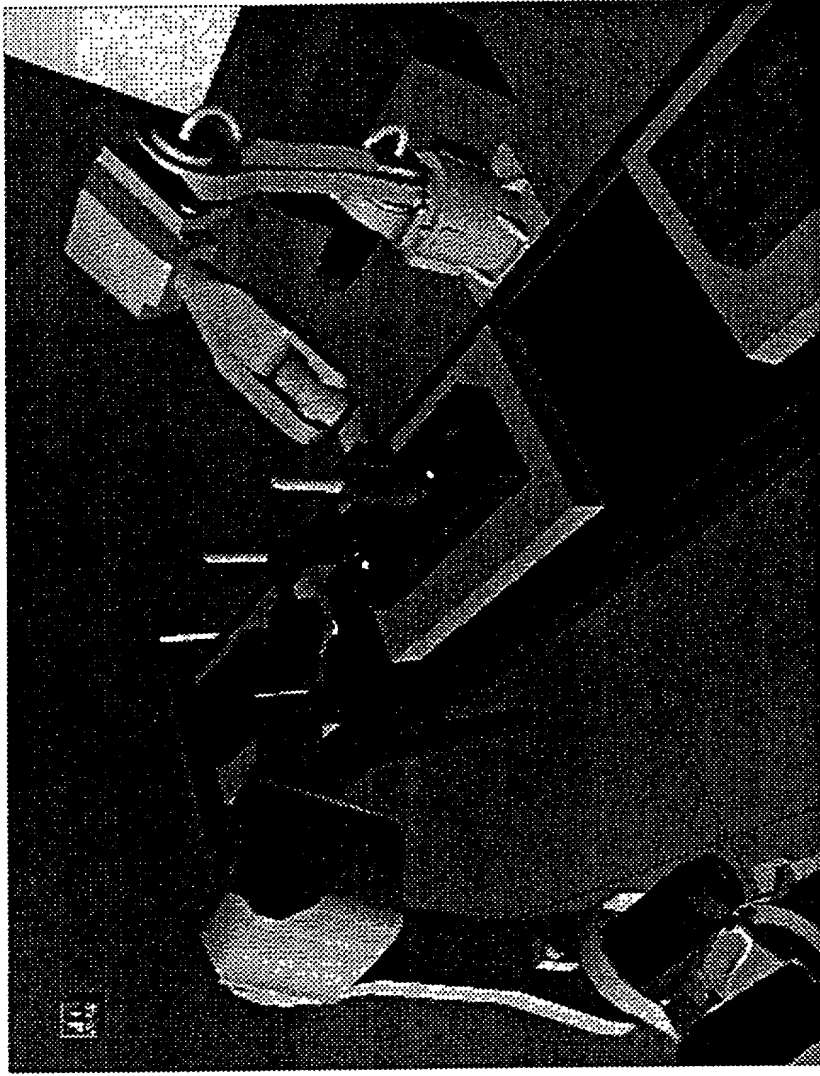


Figure 3. Robotic embodiment of DMD

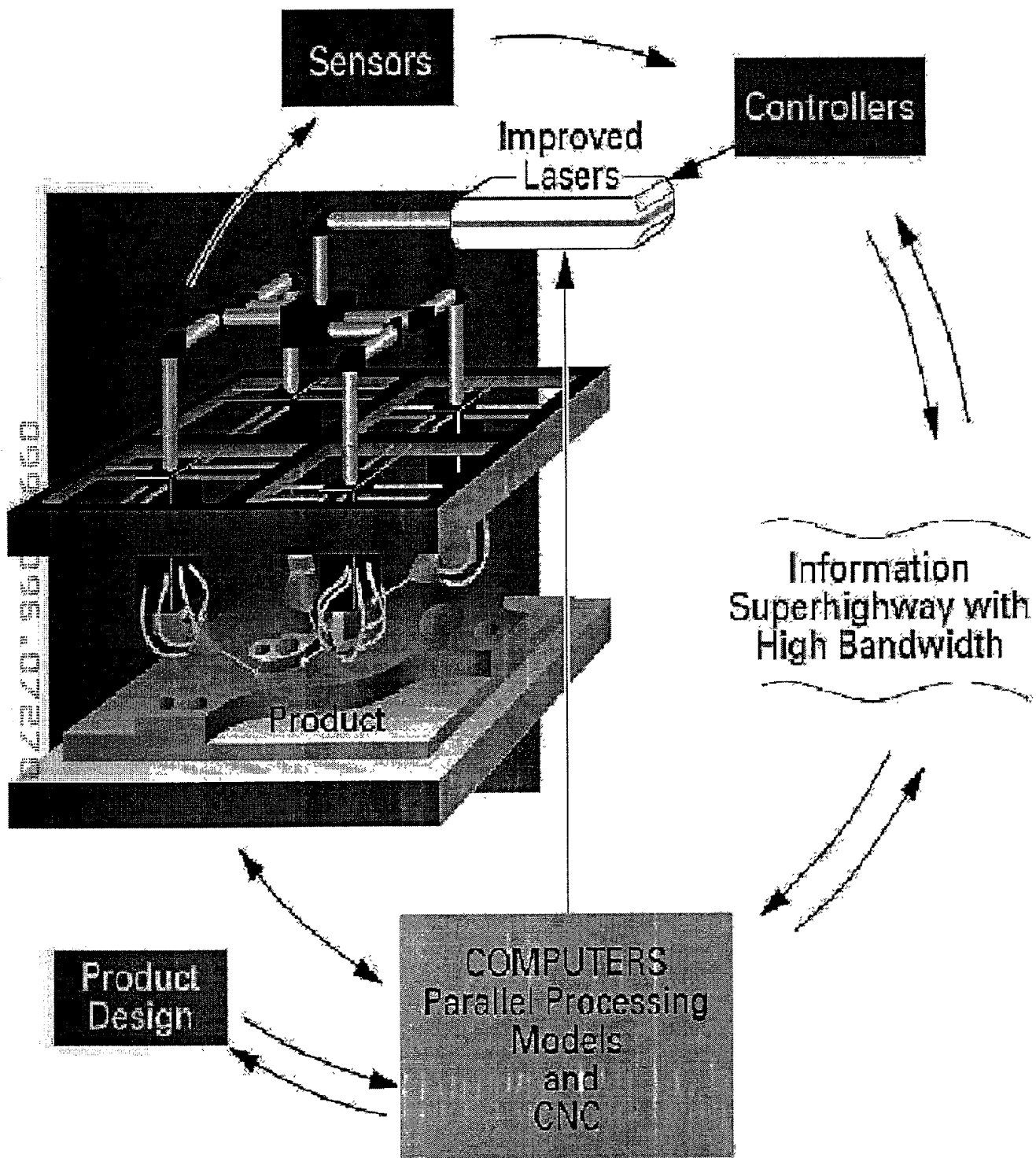


FIGURE 4

09917095.072704

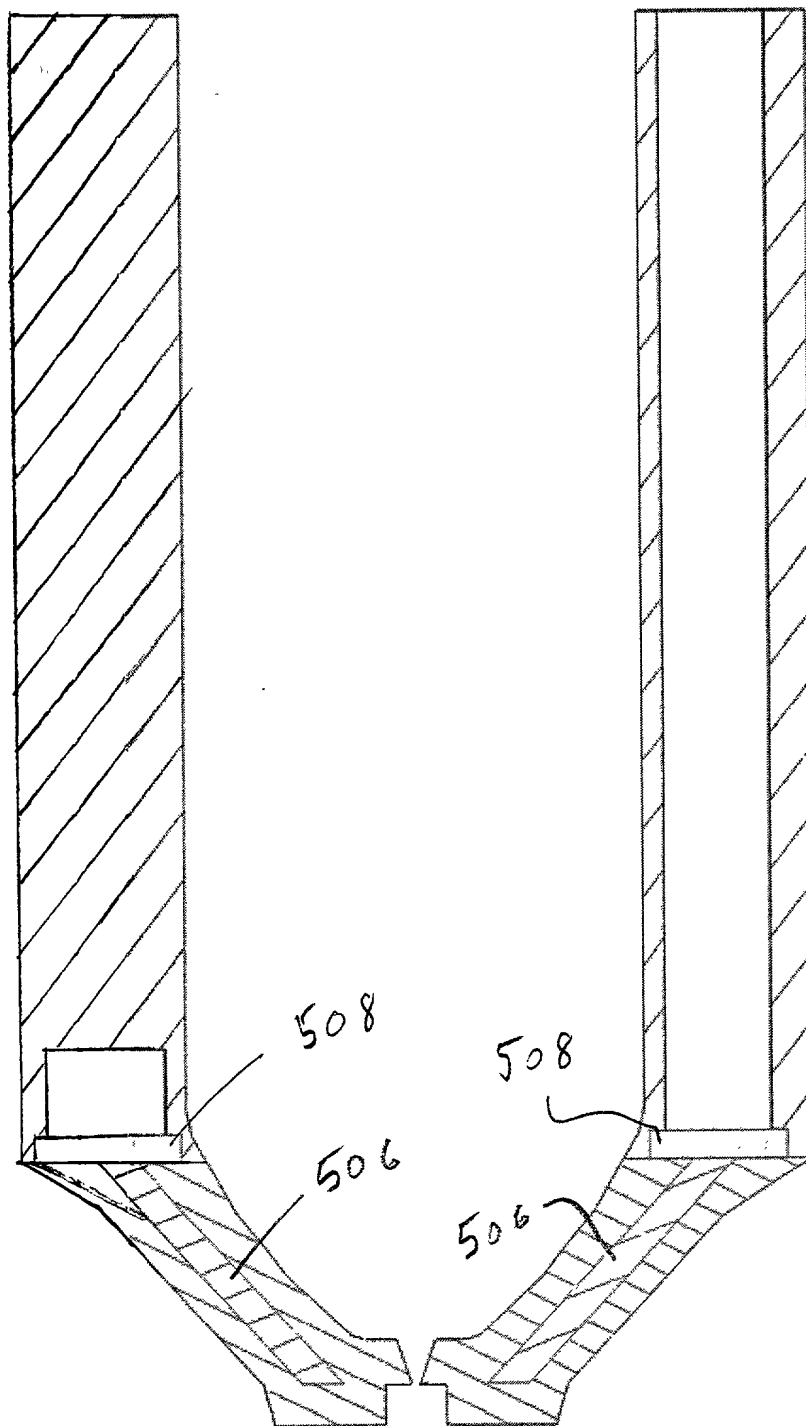


Fig-5A

09917096.072701

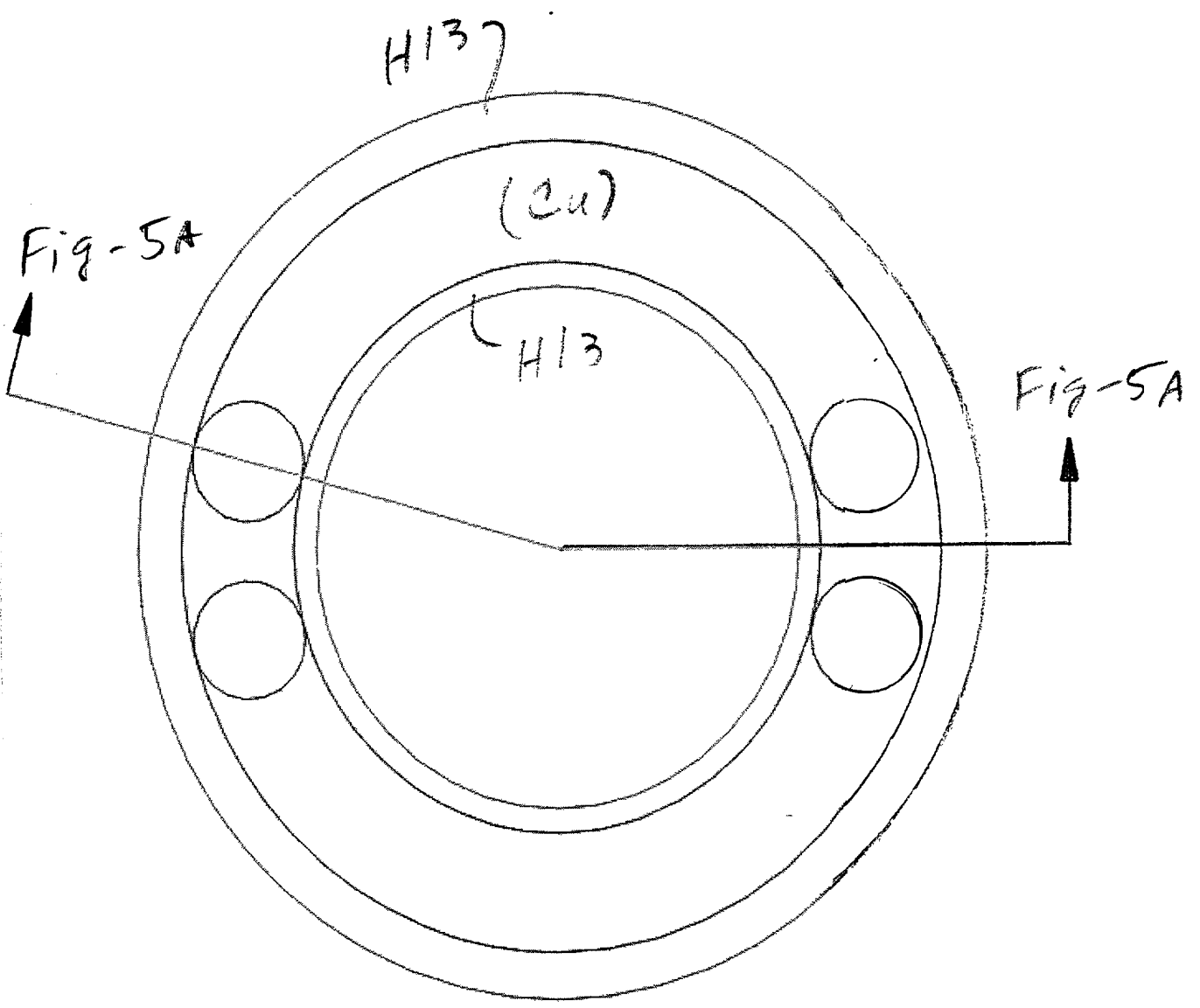


Fig - 5B

Conventional
Drilled Cooling
Channels
(DCC)

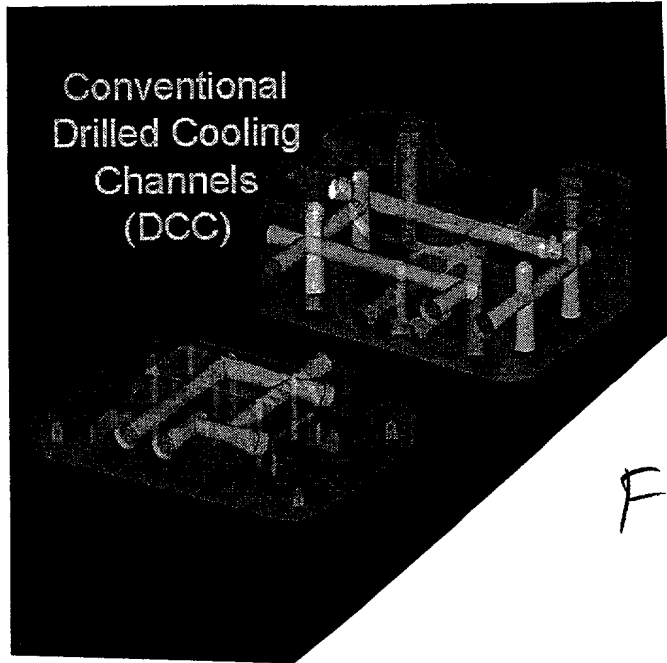
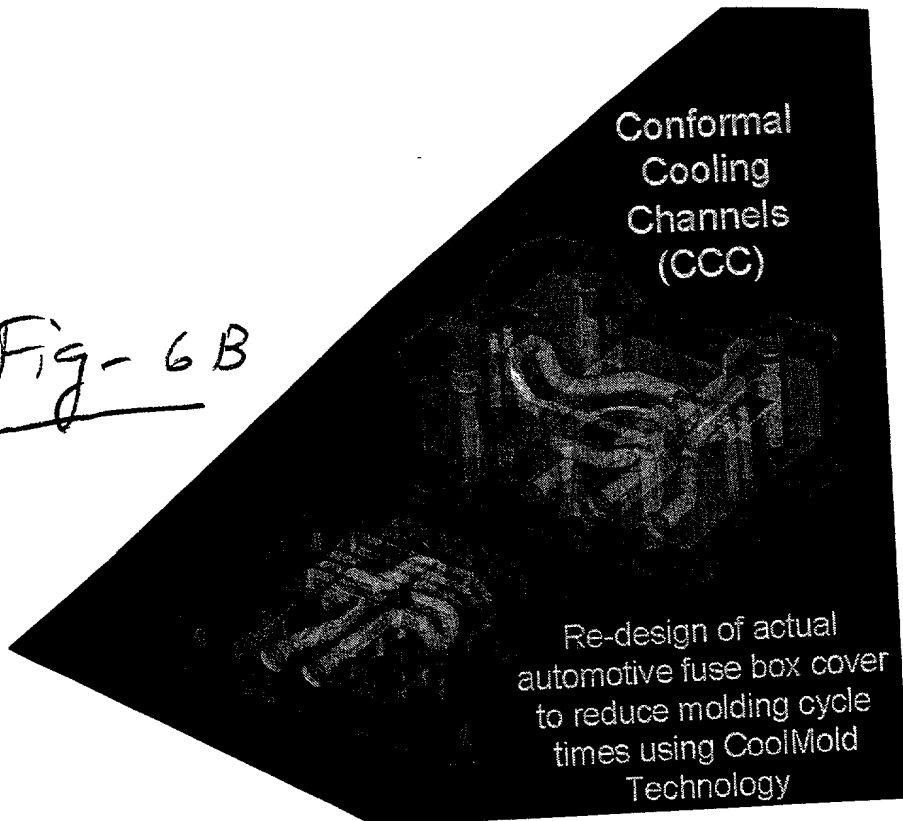


Fig- 6A

Conformal
Cooling
Channels
(CCC)

Fig- 6B



Re-design of actual
automotive fuse box cover
to reduce molding cycle
times using CoolMold
Technology

Comparative Analysis - Core Heating Time [70 deg.F - 350 deg.F]

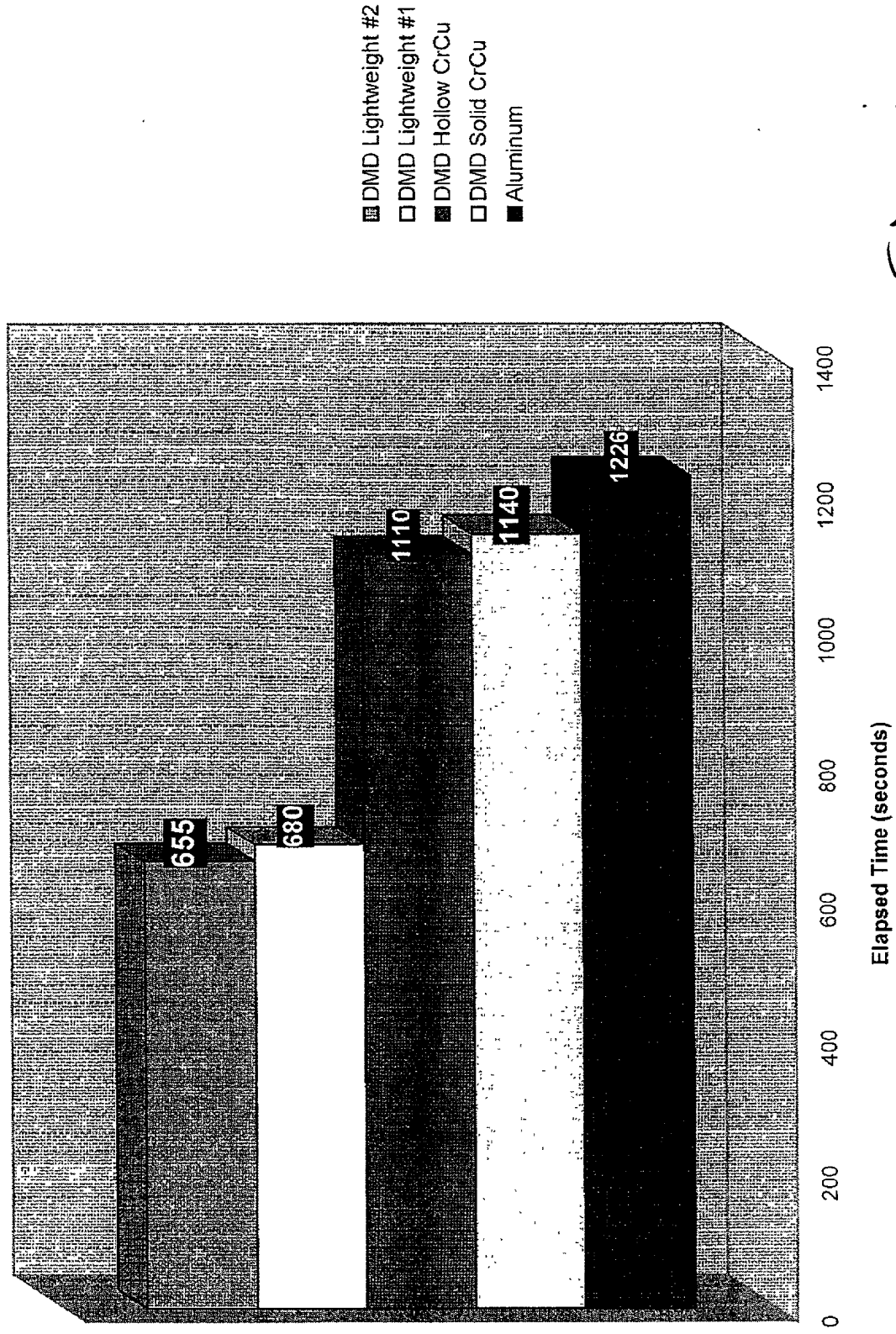


Fig-7

104220 96041660

Comparative Analysis - Cavity Heating Time [70 deg.F - 350 deg.F]

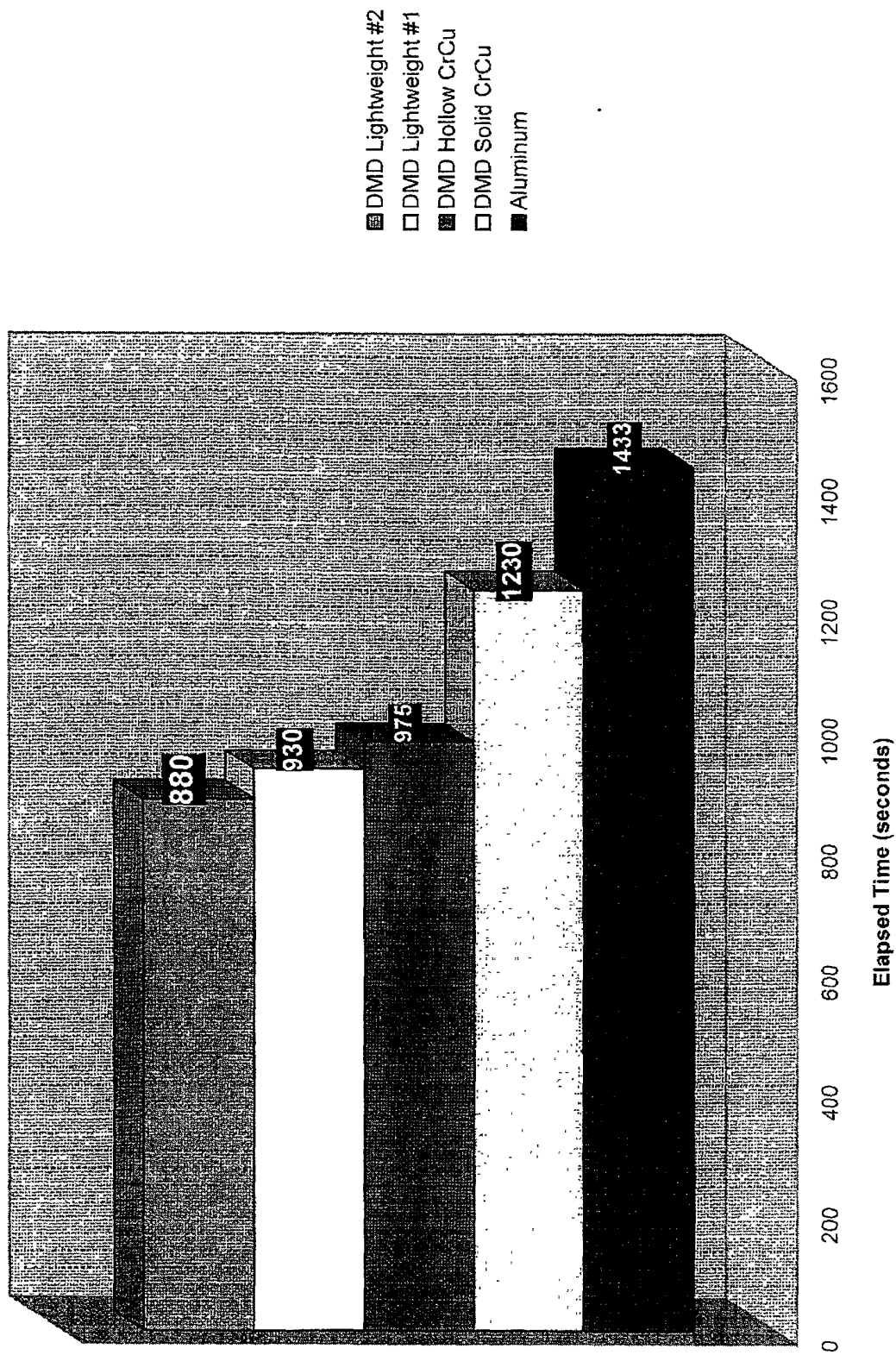


Fig-8

FOI 2015007660

TEST 2-1 [DMD Hollow vs. Aluminum]

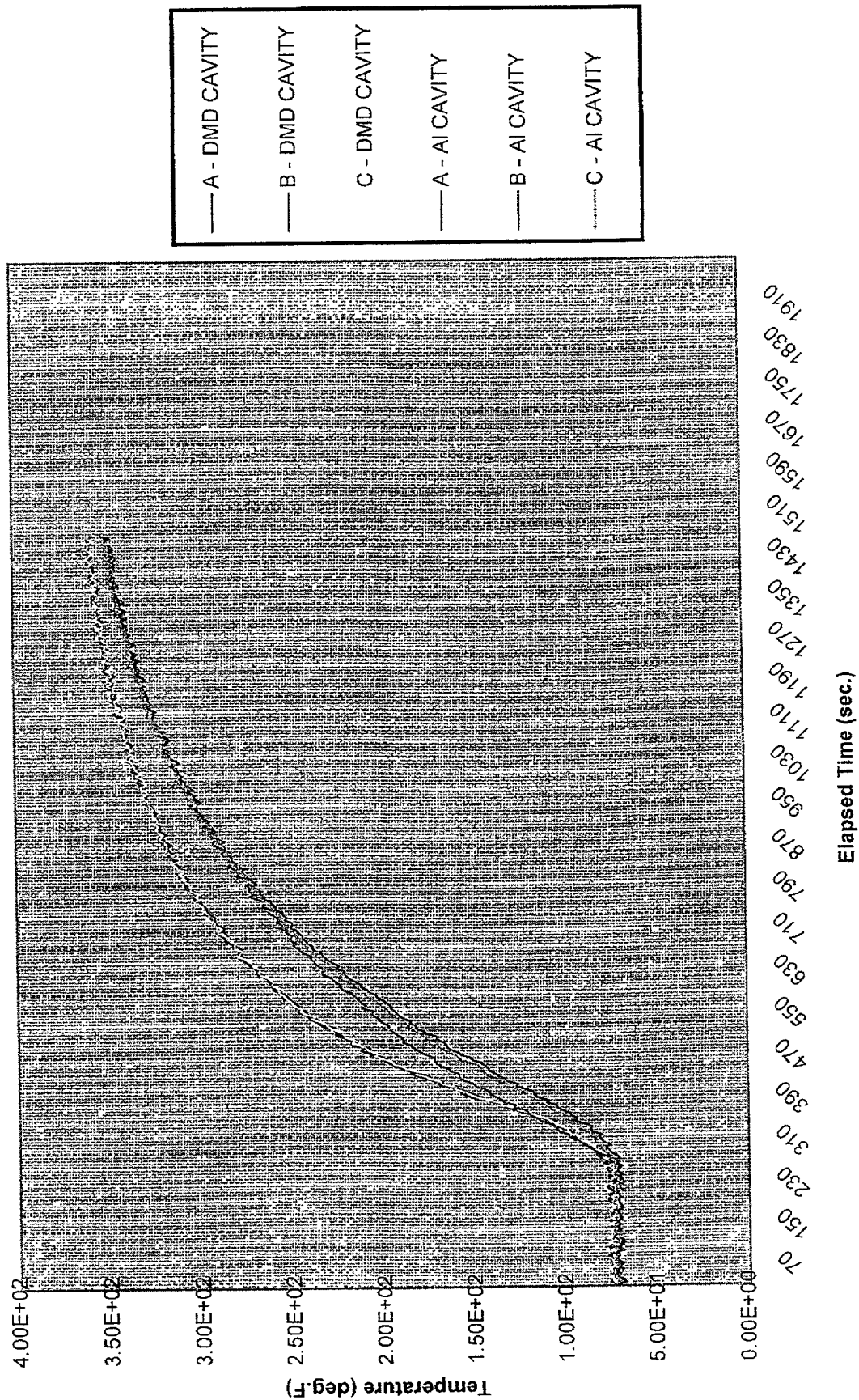


Fig-9

FOUO 96021660

TEST 2-1 [DMD Hollow vs. Aluminum]

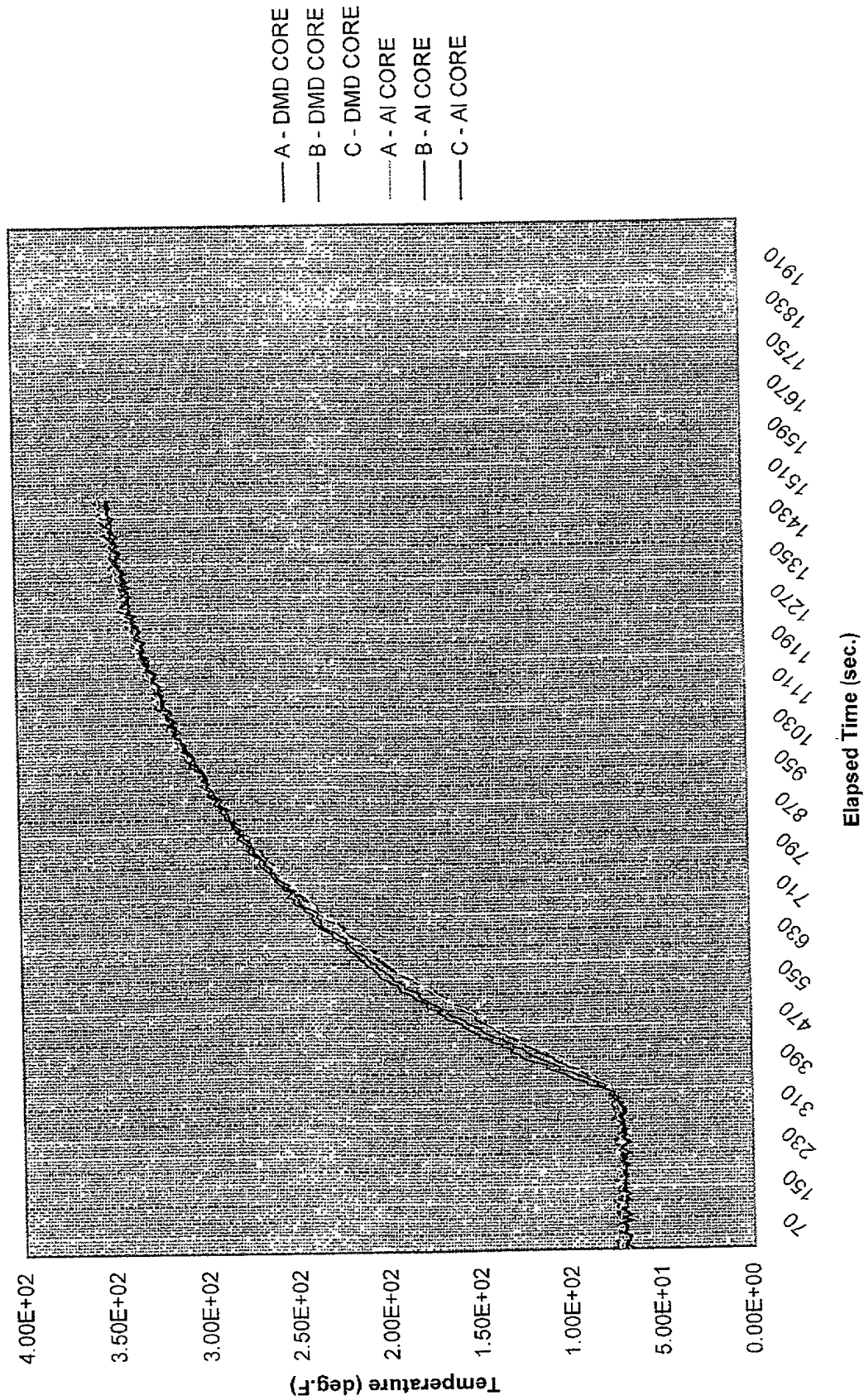


Fig-10

FO2220" 96027660

TEST 3-2 [DMD Light Wt.#1 vs. Aluminum]

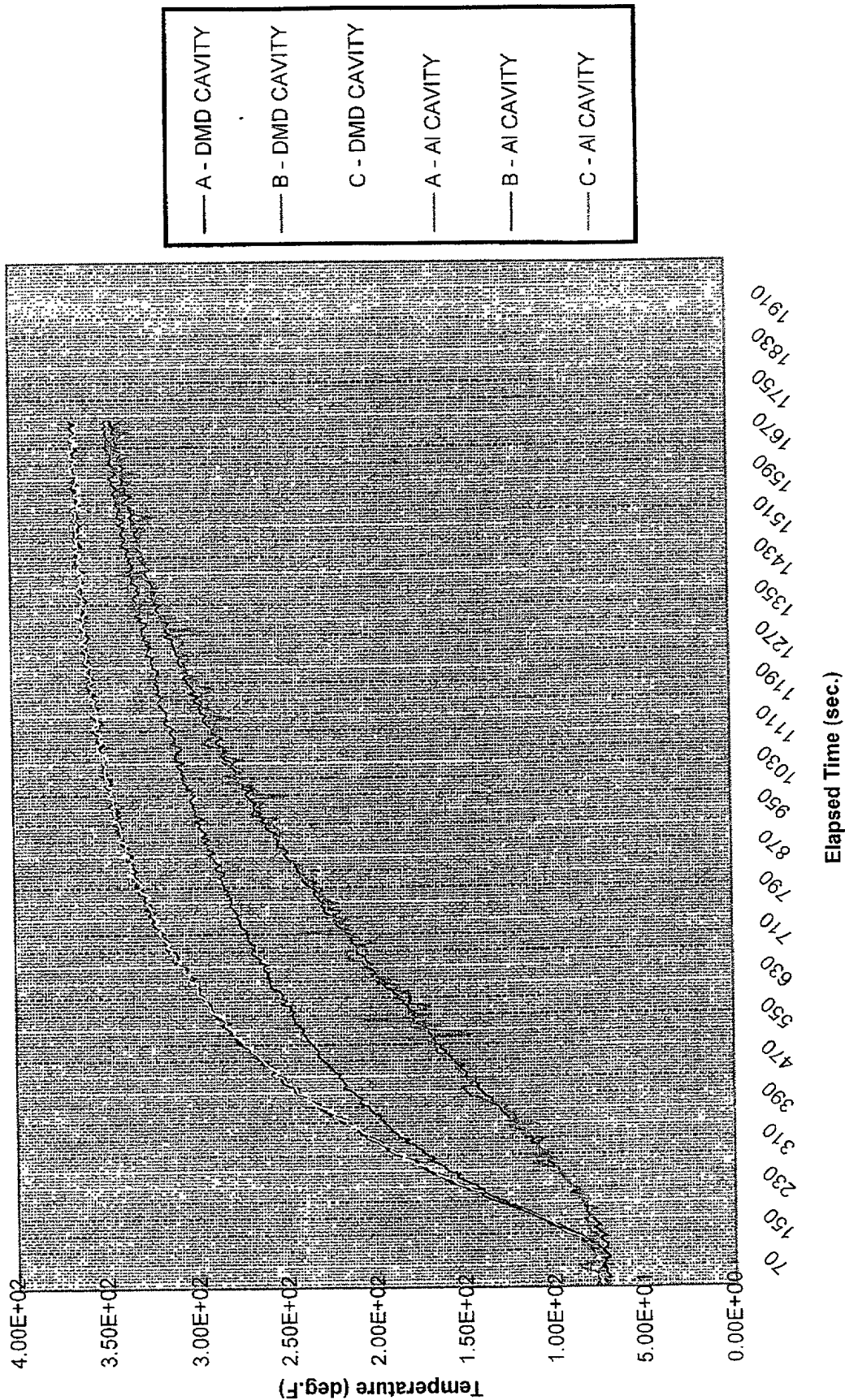


Fig-11

FOUO 96027660

TEST 3-2 [DMD Light Wt.#1 vs. Aluminum]

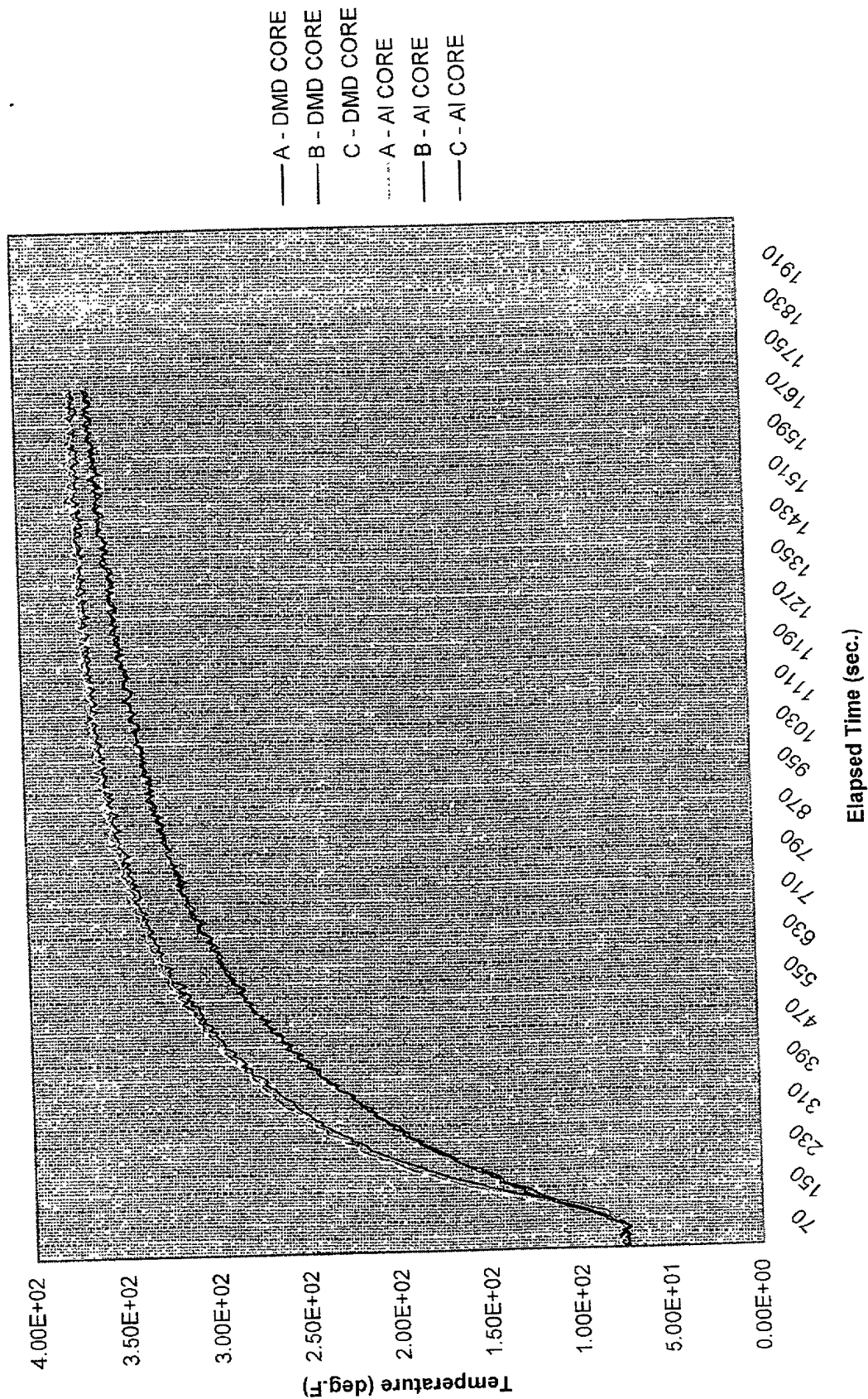


Fig-12

10/22/00 96021660

TEST 4-2 [DMD Light Wt.#2 vs. Aluminum]

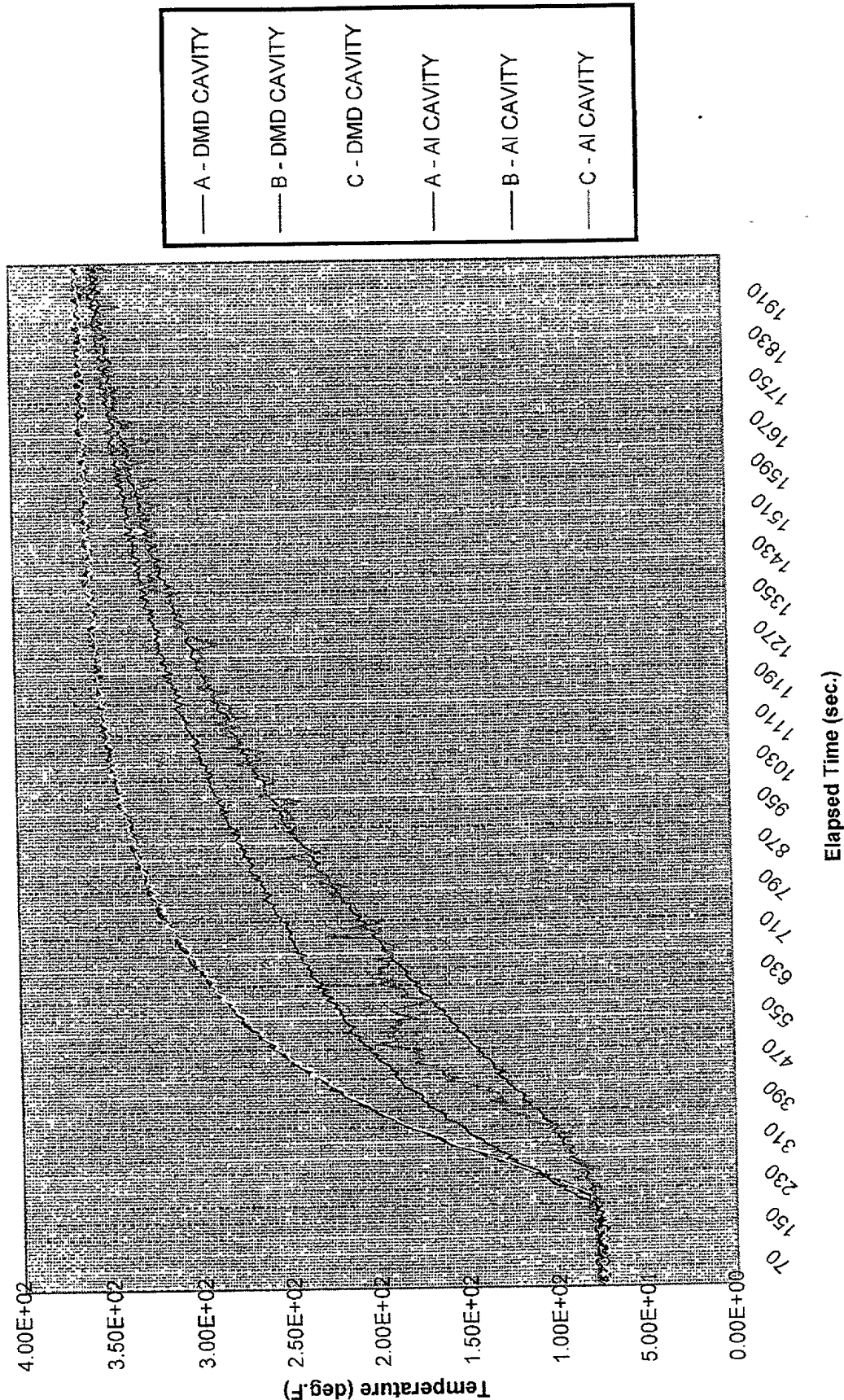


Fig - 13

FOI 2013 0047660

TEST 4-2 [DMD Light Wt.#2 vs. Aluminum]

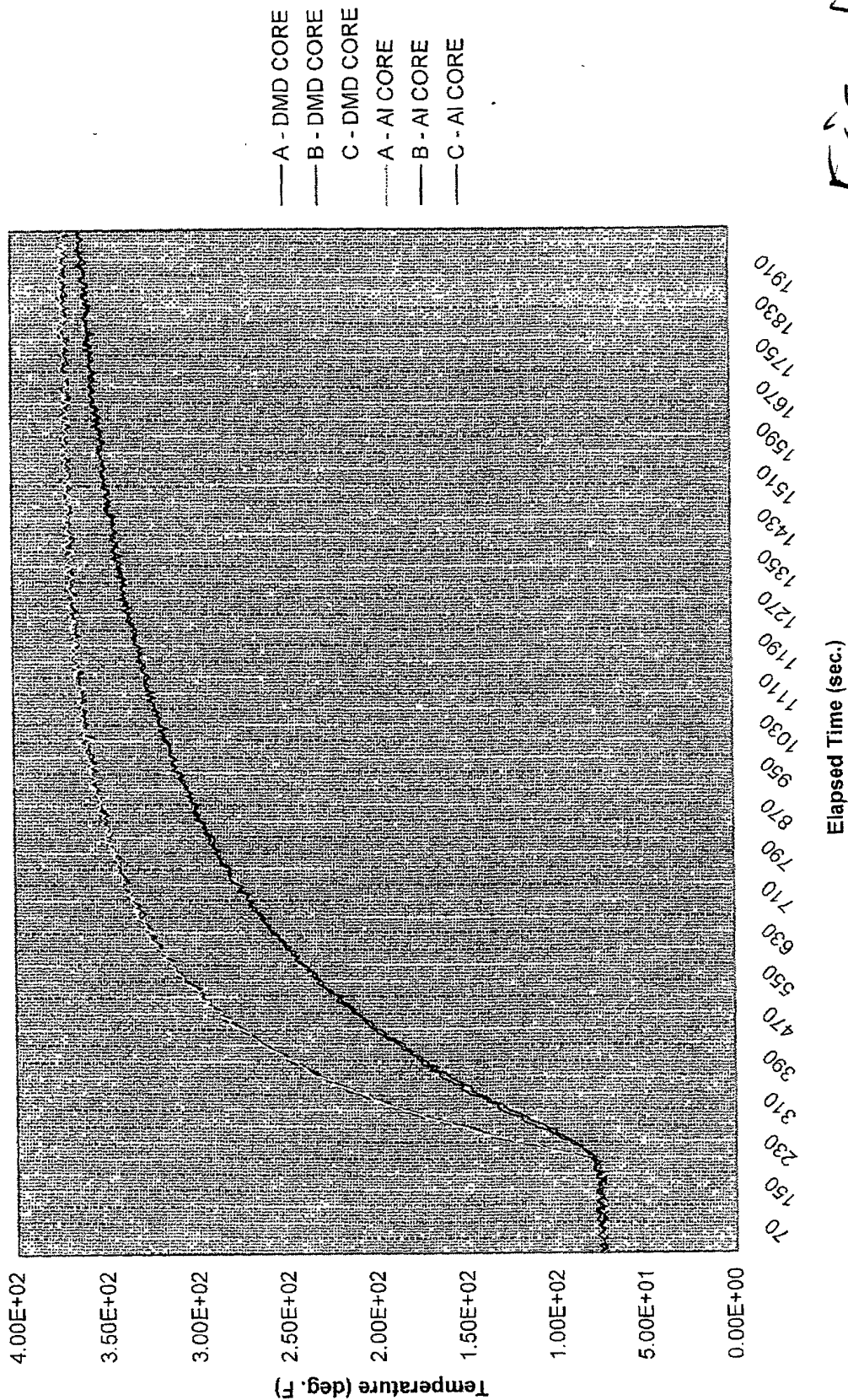


Fig-14